HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO.   200316072-1

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):   Yuhong Xiong, et al.

Confirmation No.:

Application No.:

Examiner:

Filing Date: May 19, 2004

Group Art Unit:

Title: APPARATUS AND METHOD FOR ESTIMATING DEVICE AVAILABILITY

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

(X)   under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

( )   under 37 CFR 1.97 (c) together with either a:
( )   Statement under 37 CFR 1.97(e), or
( )   a $180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

( )   under 37 CFR 1.97 (d) together with a:
( )   Statement under 37 CFR 1.97(e)(1) or (2), and
( )   a $180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of $0.00   . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

(X)   Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

( )   A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

(X) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: 05/19/2004
OR
( ) I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number_____ on _____
Number of pages:

Typed Name: Steven W. Smyrski

Signature:

Respectfully submitted,

Yuhong Xiong, et al.

By

Steven W. Smyrski
Attorney/Agent for Applicant(s)
Reg. No.   38,312

Date: **May 19, 2004**

Telephone No.: **310.397.9118**

FORM PTO-1449	ATTY. DOCKET NO. 200316072-1	APPLICATION NO.	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	APPLICANT Yuhong Xiong, et al.		
	FILING DATE May 19, 2004	GROUP	

REFERENCE DESIGNATION   U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

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	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	"Availability Modeling and Validation Methodology for RS/6000 Systems," Ahrens and Chandra, 1999 IEEE Proceedings Annual Reliability and Maintainability Symposium, 1999
	1R	"High-Availability Transaction Processing: Practical Experience in Availability Modeling and Analysis," Bowles and Dobbins, 1998 IEEE Proceedings Annual Reliability and Maintainability Symposium, 1998
	1S	"Automatic Service Availability Management," Flaviu Cristian, IEEE International Symposium on Autonomous Decentralized Systems, Kawasaki, Japan, March-April 1993

EXAMINER	DATE CONSIDERED

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	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	"Using a Distributed Snapshot Algorithm in Wireless Sensor Networks," da Silva et al., Proceedings of the Ninth IEEE Worksop on Future Trends of Distributed Computing Systems, 2003
	1R	
	1S	

EXAMINER	DATE CONSIDERED

Rev 10/03 (PTO1449)